



ATTORNEY DOCKET NO. 04137.0003U3  
APPLICATION NO. 10/652,622

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
 )  
**NI et al.** ) Confirmation No. 1025  
 )  
Application No. 10/652,622 ) Group Art: 1635  
 )  
Filed: August 29, 2003 ) Examiner: Schneizer, Richard  
 )  
FOR: "DELIVERY OF PHYSIOLOGICAL AGENTS )  
WITH *IN-SITU* GELS COMPRISING ANIONIC )  
POLYSACCHARIDES" )

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MAIL STOP AMENDMENT  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.  
Customer Number 23859

August 21, 2006

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. § 1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(c), in that neither a final Office Action nor a Notice of Allowance has been mailed to Applicants. Accordingly, Applicants enclose the fee required under 37 C.F.R.

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**APPLICATION NO. 10/652,622**


§ 1.97(c)(2).

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

A Credit Card Payment Form PTO-2038 authorizing payment in the amount of \$690.00 representing \$510.00 for the fee for a small entity under 37 C.F.R. § 1.(a)(2), and \$180.00 for the fee under 37 C.F.R. § 1.17(p) are enclosed. This amount is believed to be correct; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

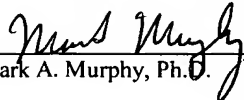
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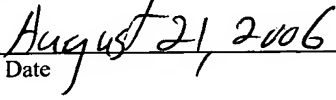
  
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Mark A. Murphy, Ph.D.  
Registration No. 42,915

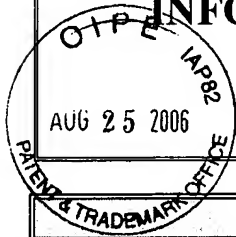
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**CERTIFICATE OF MAILING**

I hereby certify that this document and any documents referenced herein as being enclosed herein are being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA, 22313-,1450, on the date indicated below.

  
\_\_\_\_\_  
Mark A. Murphy, Ph.D.

  
\_\_\_\_\_  
Date



# INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/652,622
Filing Date	08/29/2003
First Named Inventor	NI <i>et al.</i>
Group Art Unit	1635
Examiner Name	Schnizer, Richard A.

## U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	C1	US 3,622,559	11/23/1971	Wiles <i>et al.</i>			
	C2	US 3,946,110	03/23/1976	Hill			
	C3	US 4,016,351	04/15/1977	Eschinasi			
	C4	US 4,497,838	02/05/1985	Bonnell			
	C5	US 4,735,935	04/05/1988	McAnalley <i>et al.</i>			
	C6	US 4,851,224	07/25/1989	McAnalley <i>et al.</i>			
	C7	US 4,891,226	01/02/1990	Bremecker <i>et al.</i>			
	C8	US 4,957,907	09/18/1990	McAnalley <i>et al.</i>			
	C9	US 4,959,214	09/25/1990	McAnalley <i>et al.</i>			
	C10	US 4,966,892	10/30/1990	McAnalley <i>et al.</i>			
	C11	US 4,978,528	12/18/1990	Degre			
	C12	US 5,106,616	06/02/1992	McAnalley <i>et al.</i>			
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	C14	US 5,122,597	06/16/1992	Barritault <i>et al.</i>			
	C15	US 5,130,418	07/14/1992	Thompson			
	C16	US 5,191,067	03/02/1993	Lappi <i>et al.</i>			
	C17	US 5,217,954	06/08/1993	Foster <i>et al.</i>			
	C18	US 5,308,838	05/03/1994	McAnalley <i>et al.</i>			
	C19	US 5,310,883	05/10/1994	Seddon <i>et al.</i>			
	C20	US 5,356,630	10/18/1994	Laurencin <i>et al.</i>			
	C21	US 5,387,415	02/07/1995	Wunderlich <i>et al.</i>			
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	C23	US 5,441,943	08/15/1995	McAnalley <i>et al.</i>			
	C24	US 5,443,830	08/22/1995	McAnalley <i>et al.</i>			
	C25	US 5,453,492	09/26/1995	Butzow <i>et al.</i>			
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	C32	US 5,604,204	02/18/1997	Ammann <i>et al.</i>			
	C33	US 5,612,211	03/18/1997	Wilson <i>et al.</i>			

Examiner Signature:

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	C34	US 5,614,496	03/25/1997	Dunstan <i>et al.</i>			
	C35	US 5,656,587	08/12/1997	Sporn <i>et al.</i>			
	C36	US 5,656,598	08/12/1997	Dunstan <i>et al.</i>			
	C37	US 5,656,734	08/12/1997	Ehrlich <i>et al.</i>			
	C38	US 5,665,870	09/09/1997	Rubin <i>et al.</i>			
	C39	US 5,690,954	11/25/1997	Illum			
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	C44	US 5,863,554	01/26/1999	Illum			
	C45	US 6,632,457	10/14/2003	Sawhney			
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	C48	US 2001/0043949	11/22/2001	Delgado			
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	C52	US 2001/0055569	12/27/2001	Davis <i>et al.</i>			
	C53	US 2002/0001610	01/03/2002	Cohen <i>et al.</i>			
	C54	US 2002/0001619	01/02/2002	Goldenberg <i>et al.</i>			
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	C58	US 2002/0098198	07/25/2002	Watts <i>et al.</i>			
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	C62	US 2003/0060486	03/27/2003	Jacob <i>et al.</i>			
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	C65	US 2003/0077296	04/24/2003	Denton <i>et al.</i>			
	C66	US 2003/0118653	06/26/2003	Chen <i>et al.</i>			

Examiner Signature:

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	C67	US 2003/0138505	07/24/2003	Fischer <i>et al.</i>			
	C68	US 2003/0143274	07/31/2003	Viegas <i>et al.</i>			
	C69	US 2003/0152629	08/14/2003	Shefer <i>et al.</i>			

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Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind C-de	Date	Name	Translation Yes No
	C70	JP 06205687	07/26/1994	Aomori Prefecture (abstract)	X
	C71	JP 62255415	11/07/1987	Soda Aromatic (abstract)	X

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Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	C72	ASPINALL, "Pectins, Plant Gums and Other Plant Polysaccharides," <i>The Carbohydrates, Chemistry and Biochemistry</i> , Vol. IIB, edited by Pigman and Horton, published by Academic Press, pp. 515-521 (1970)
	C73	BEMILLER, "An Introduction to Pectins: Structure and Properties," <i>189<sup>th</sup> Meeting of the American Chemical Society</i> , April 28-May 3, 1985, pp. 1-12
	C74	CARDIN <i>et al.</i> , "Molecular Modeling of Protein-Glycosaminoglycan Interactions," <i>Arteriosclerosis</i> , 9(1):21-32 (January/February 1989)
	C75	CONRAD, "Heparin-Binding Proteins - Chapter 1. Heparin vs. Heparan Sulfate," <i>Academic Press</i> , pp.1-5 (1998)
	C76	CONRAD, "Heparin-Binding Proteins - Chapter 6. Heparinoid/Protein Interactions," <i>Academic Press</i> , pp.183-202 (1998)
	C77	CONRAD, "Heparin-Binding Proteins - Chapter 9. Fibroblast Growth Factors," <i>Academic Press</i> , pp. 301-349 (1998)
	C78	KOJI <i>et al.</i> , "Preparation of pectin gel bead and the drug release profiles," <i>Kobunshi Gakkai Yokoshu</i> , 47(12):3510-3511 (1998) - Copy available in Records of Patent Application No. 09/325,610
	C79	KRAVTSCHENKO <i>et al.</i> , "Improvement of the Selective Depolymerization of Pectic Substances by Chemical $\beta$ -Elimination in Aqueous Solution," <i>Carbohydrate Polymers</i> , 19:237-242 (1992)
	C80	MAY, "Industrial Pectins: Sources, Production, and Applications," <i>Carbohydrate Polymers</i> , 12:79-99 (1990)
	C81	MUNJERI <i>et al.</i> , "In Vivo Behavior of Hydrogel Beads Based on Amidated Pectins," <i>Drug Delivery</i> , 5(4):239-241 (1998)
	C82	OVODOVA <i>et al.</i> , "Polysaccharides of Aloe Arborescens," <i>Plenum Publishing Corporation</i> , pp. 1-2 (1976)
	C83	RADIABI <i>et al.</i> , "Structural Studies of the Glucomannan From Aloe Vahombe," <i>Carbohydrate Research</i> , pp. 160-170 (1983)
	C84	RENARD <i>et al.</i> , "Structure and Properties of Apple and Sugar-Beet Pectins Extracted by Chelating Agents," <i>Carbohydrate Research</i> , 244:99-114 (1993)
	C85	SCHELESSINGER <i>et al.</i> , "Regulation of Growth Factor Activation by Proteoglycans: What is the Role of the Low Affinity Receptors?" <i>Cell</i> , 83:357-360 (November 3, 1995)

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[illegible]

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